2020 PERIODIC REVIEW REPORT

TOWNLEY HILL ROAD DUMP SITE TOWNLEY HILL ROAD TOWN OF CATLIN, CHEMUNG COUNTY, NEW YORK NYSDEC SITE REGISTRY NO. 808006

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2020 Periodic Review Report Townley Hill Road Dump Site NYSDEC Site Registry No. 808006

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LIST OF ACRONYMS

CFS	coloium fluorido cludgo
	calcium fluoride sludge
cy	cubic yards
EC	Engineering Control
EP	Extraction Procedure
EWP	Excavation Work Plan
FDDA	Former Drum Disposal Area
IC	institutional control
IRM	Interim Remedial Measure
mg/kg	milligrams per kilogram
mg/l	milligrams per liter
MSW	Municipal Solid Waste
NYSDEC	New York State Department of Environmental Conservation
O&M	operation and maintenance
RCRA	Resource Conservation and Recovery Act
RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
SCO	Soil Cleanup Objectives
SMP	Site Management Plan
µg/L	micrograms per liter
USEPA	United States Environmental Protection Agency
WMA	Waste Management Area

1.0 INTRODUCTION

This Periodic Review Report (PRR) was prepared according to the requirements of the Site Management Plan (SMP) for the Townley Hill Road Dump Site, located in the Town of Catlin, Chemung County, New York (Figure 1), Site Registry No. 8-08-006, hereafter referred to as the "Site." The Site has been remediated in accordance with the Order on Consent and Administrative Settlement (Order), Index #B8-0650-30-12, entered between CBS Corporation (CBS) and the NYSDEC on October 10, 2010 and the NYSDEC March 2012 Record of Decision (ROD) for the Site.

The SMP was prepared in February 2015 by Cummings/Riter Consultants, Inc. (Cummings/Riter), a Woodard & Curran company, on behalf of CBS in accordance with the requirements in NYSDEC Division of Environmental Remediation *Technical Guidance for Site Investigation and Remediation* ("DER-10") dated May 2010 and guidelines provided by NYSDEC. The SMP addresses the means for implementing the engineering controls (ECs) and institutional controls (ICs) that are required by the Environmental Easement for the Site (Appendix B) and is based on information provided in the Remedial Investigation Report (RI Report, Cummings/Riter, December 21, 2011); the Feasibility Study Report (Cummings/Riter, February 3, 2012); the ROD, the Remedial Design Work Plan (Cummings/Riter, July 2012); and the Final Engineering Report (Cummings/Riter, November 2014).

The SMP provides a detailed description of procedures required to manage remaining environmental impacts at the Site after completion of the remedial action, including the following:

- (1) Implementation and management of ECs and ICs;
- (2) Media monitoring;
- (3) Maintenance of cap containment;
- (4) Performance of periodic inspections, certification of results, and submittal of Periodic Review Reports; and
- (5) Defining criteria for termination of media monitoring.

To address these needs, the SMP includes three plans:

- (1) An Engineering and Institutional Control Plan for implementation and management of ECs and ICs;
- (2) A Monitoring Plan for implementation of Site monitoring; and
- (3) An Excavation Work Plan (EWP, Appendix C in the SMP) for on-Site work outside of the former Municipal Solid Waste (MSW) disposal area.

The plan also includes a description of Periodic Review Reports for the submittal of data, information, recommendations, and certifications to the NYSDEC.

Site-wide inspections have been performed since March 2015, initially quarterly then semi-annual in 2016, 2017, 2018, 2019 and 2020. In accordance with the SMP groundwater monitoring was conducted, approximately three months after completion of remedial construction and the final site inspection (Post-Construction) in September 2014. Annual groundwater monitoring was initiated in September 2015 and was scheduled to be conducted for 5-years, through 2019 (see Table 6, page 31 of the February 2015 SMP).

This Periodic Review Report (PRR) was prepared to document the monitoring and inspections that have occurred since completion of remediation and the final site inspection. The inspections and monitoring to date have shown that the engineering controls continue to perform as designed and the requirements described in the environmental easement and the SMP are being met.

2.0 SITE OVERVIEW

2.1 Site Background

In the 1950s and 1960s, the Site was used for disposal of industrial, commercial, and municipal solid waste. The ground surface of the Site is relatively flat with steeply sloping wooded hillsides. Surface runoff appears to generally flow into the unnamed tributary to Post Creek located to the southeast of the Site area, or directly toward Post Creek to the west. (Refer to Figures 1 and 2).

There are two man-made ponds at the Site, both of which are believed to be hydraulically isolated from navigable waters. The ponds are not included in the NYSDEC Environmental Resource Mapping; however, the larger of the two ponds is listed on the United States Fish and Wildlife National Wetlands Inventory.

2.2 Site Location and Description

The Site is located near the Town of Catlin in a rural portion of Chemung County, New York on Townley Hill Road, approximately 7-miles north of Interstate 86 (former New York State Route 17). The Site occupies an approximate 11-acre portion of a larger 28-acre property identified as Section 26.00, Block 1, Lot 45.1 on the Chemung Tax Map; zoned as agricultural/residential. The Site is located within the Susquehanna River basin. An unnamed tributary to Post Creek passes within 500-feet southeast of the Site. Post Creek, a Class C stream, is located approximately 1,700-feet northwest of the Site. The 10-acre Site is situated within an approximately 28 + acre tract bounded by Post Creek Road to the north, Townley Hill Road to the south, Hibbard Road to the east, and Post Creek to the west (see Figure 1). The boundaries of the Site are fully described in the SMP (Appendix A: Survey Map, Metes and Bounds).

2.3 Site History

Mr. Joseph E. Lobell owned and operated the Site as a landfill beginning in the late 1950s or early 1960s. Beginning in 1964, the Site was owned by Mr. John A. Mandzak, who operated Superior Salvage Company (aka Superior Hauling and Superior Disposal). Throughout this period, the Site was reportedly used for disposal of MSW under a permit issued by the Chemung County Department of Health. The Site also reportedly received miscellaneous debris, including tires, junk automobiles, and 55- gallon drums. Superior Salvage Company customers reportedly included local municipalities and the City of Corning School District, where Mr. Mandzak was reported to be the maintenance superintendent. Based on available records, approximately 300 drums containing an incinerator ash-like waste material were disposed at the Site.

According to available historical records from Westinghouse Electric Corporation (Westinghouse), an unknown quantity of calcium fluoride sludge (CFS) from the Westinghouse Industrial and Government

Tube Division manufacturing facility located in Horseheads, New York plant was disposed of in bulk at the "Madzac property" (presumably the Site) between 1964 and 1967. This sludge reportedly consisted of "waste treatment plant sludge intermittently containing traces of lead phosphate and cadmium" from the Westinghouse Horseheads facility.

On October 16, 1967, the Site was closed by the Chemung County Health Department due to complaints of odors and open burning. Beginning in 1969, most of the junked automobiles and other debris were removed by the new owner, Mr. James C. Case. With the assistance of the local offices of the United States Department of Agriculture Soil Conservation Service, Mr. Case enlarged the on-Site pond and placed a soil cover over and revegetated most of the Site.

Chemung County foreclosed on the property in 1998 and subsequently sold the Site in 1999 to Northwoods Hunting Inc., of Ridgeway, Ontario (Northwoods).

In April 1980, the Site was identified by the NYSDEC as an inactive hazardous waste disposal site and placed on the Registry of Inactive Hazardous Waste Disposal Sites in New York. In 1983 and 1984, the NYSDEC sampled drum contents, and analyzed those drum samples for metals by the extraction procedure (EP). Results from the 1984 sampling event indicated an exceedance of the threshold EP toxicity concentrations for cadmium and lead. The Site was subsequently classified as a "Class 2" Site in December 1986. The site has since been reclassified from a "Class 2" to "Class 4" site as evidenced in an April 14, 2015 letter from the Department, presented in Appendix D. In July 1988, the NYSDEC conducted an interim remedial measure (IRM) in which it removed the drums and approximately 100 cubic yards (cy) of soil impacted by cadmium from the Former Drum Disposal Area (FDDA). Additional soil was removed from the FDDA by the NYSDEC in November 1994.

In December 1996, an "Immediate Investigation Work Assignment Work Plan" was finalized to investigate Site soils, particularly residual cadmium concentrations in the FDDA. In 1997, the NYSDEC conducted a focused Remedial Investigation (RI) and issued a report in September 1998 that recommended a comprehensive Remedial Investigation/Feasibility Study (RI/FS) be conducted at the Site to investigate potential impacts to soil, sediment, and groundwater.

In 1989, 1995, and 1998, the New York State Department of Health (NYSDOH) sampled private wells servicing two homes within one-quarter mile of the Site and found no Site-related contaminants. As part of the RI, private well samples were collected in 2011 from the two residential supply wells historically sampled to confirm previous findings. Site-related constituents were not detected in the 2011 private well samples.

2.4 Summary of Remedial Actions

The Site was remediated in accordance with the NYSDEC-approved Remedial Design Work Plan (Cummings/Riter, July 2012). The following is a summary of the Remedial Actions performed at the Site:

- Construction of a stabilized entrance and access road.
- Stabilization of 1,689 cy of impacted soil from the FDDA, four test pit areas, and the Large Pond CFS area outside of the former MSW disposal area as needed using Terrabond SC, a proprietary

stabilizing reagent, to assure the material did not exhibit the characteristic of a hazardous waste under the RCRA and corresponding State regulations due to leachable cadmium or lead concentrations.

- Excavation of 3,747 cy of impacted soil, including stabilized soils from the FDDA, four test pit areas, and the Large Pond CFS area outside of the former MSW disposal area, where cadmium concentrations were greater than the commercial SCO.
- Stabilization of 2,061 cy of CFS materials identified in the former MSW disposal area as needed using Terrabond SC to assure the material did not exhibit the characteristic of a hazardous waste under the RCRA and corresponding State regulations due to leachable cadmium or concentrations.
- Consolidation of the treated soils and CFS materials in a designated Waste Management Area (WMA) located within the limits of the former MSW disposal area.
- Backfilling, grading and revegetating excavated areas for surface water drainage and erosion protection.
- Excavation of 683 cy of sediments using conventional earthmoving equipment, stockpiling on Site, allowing to sufficiently dry to facilitate handling, and consolidation within the WMA.
- Construction of an engineered soil cover atop the WMA providing a minimum of two feet of cover including six inches of topsoil above the consolidated soils.
- Repair and enhancement of the existing soil cover in the former MSW disposal area outside the WMA as necessary to establish a nominal two-foot thick soil cover, including removal of surface debris, placement of geotextile on the prepared surface, placement of up to 24 inches of imported clean soil including six inches of topsoil and revegetating to reduce potential soil erosion.
- Installation of a fence around the WMA to limit access.
- Imposition of institutional controls in the form of an environmental easement/deed restriction, presented in Appendix C, for the controlled property that:
 - Requires the remedial party or Site owner to complete and submit to NYSDEC a periodic certification of institutional and engineering controls in accordance with Part 375-1.8(h)(3);
 - Allows the use and development of the controlled property for commercial purposes as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
 - Restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County Department of Health;
 - Prohibits agriculture or vegetable gardens on the controlled property; and
 - Requires compliance with a NYSDEC-approved SMP.
- Development and implementation of a SMP for long-term management of remaining contamination as required by the Environmental Easement (Appendix B of SMP), which includes

plans for: (1) ECs and ICs, (2) monitoring, (3) operation and maintenance (O&M) and (4) reporting. As-built drawings showing excavation limits are included as Figures 2 through 7 in the SMP.

2.4.1 Removal of Contaminated Materials from the Site

The Contractor performed cleanup of Site debris from August 2, 2013 through November 21, 2013. Tires and other large surface debris items that were incompatible with a suitable subgrade for subsequent cover soil placement were collected and staged, decontaminated by a high-pressure spray and hand scraping of residual soils by visual inspection at the decontamination pad, and transported and disposed of off Site as nonhazardous waste. Decontamination waste, along with miscellaneous debris and smaller debris items, were placed within the limits of the WMA or former MSW disposal area, both of which were subsequently capped. Approximately 23 tons of tires and debris were collected from the Site, decontaminated, and disposed off-site as non-hazardous waste. A small quantity of building construction debris was encountered northwest of the FDDA limits during debris consolidation. The material was sampled and results indicated greater than one percent asbestos. The material was covered with polyethylene sheeting until removed and disposed of in accordance with state regulations on June 10, 2014.

2.4.2 Remaining Impacts

After treating/stabilizing the identified areas of CFS, no hazardous waste remains on the Site. Miscellaneous waste and soils exceeding commercial SCOs for lead and cadmium are located within the WMA beneath the cap. Following completion of treatment and excavation, post-excavation sampling results demonstrated some isolated locations of impacted soil remain with limited exceedances above the commercial SCO for cadmium of 9.3 mg/kg in the FDDA and Test Pit TP-7/16, as follows:

- The sample locations in the FDDA are between points Q1/Q2 and Q5/Q4. Results indicated soil exceedances of 9.6 mg/kg approximately one-foot deep at the base of the sidewalls in these two locations.
- The locations in the Test Pit TP-7/16 area consist of TP-7/16-2AFlr and TP-7/16- W3/W5-1CS. Sample TP-7/17-2AFlr indicated an exceedance of cadmium at 11 mg/kg approximately seven feet below grade. Sample TP-7/17-W3/W5-1CS indicated an exceedance of cadmium at 10.0 mg/kg approximately three feet below grade.

All exceedances were reviewed with the NYSDEC and approved to be left in place during Site remedial activities. These areas were backfilled with general fill and compacted to within six inches of the surrounding ground surface. Six inches of topsoil was placed with permanent broadcast seeding and mulching.

Table 4 and Figure 9 of the SMP summarize the results of the soil samples remaining at the Site after completion of Remedial Action that exceed the Commercial SCOs, and Figure 10 of the SMP depicts the results of soil samples remaining at the Site after completion of Remedial Action that exceed Track 1 (unrestricted) SCOs.

3.0 PERFORMANCE EVALUATION

Because soils and waste materials remain at the Site with concentrations of cadmium exceeding the unrestricted use SCO, ECs and ICs are required to protect human health and the environment. The ECs and ICs Plan describes the procedures for the implementation and management of ECs and ICs at the Site. The ECs and ICs Plan is one component of the SMP and is subject to revision by the NYSDEC.

Exposure to residual cadmium concentrations in soil/fill at the Site is prevented by a cap comprised of clean soil. Disturbances of the cover system are prohibited. Procedures for the inspection of this cover are provided in the Monitoring Plan included in Section 3.0 of the SMP. The clean soil remains in place and continues to be effective in preventing human exposure to residual impacted soil remaining at the Site. Inspection of the composite cover system is discussed in Section 5.1.1.

A six-foot high, chain-link fence was erected around the WMA primarily to help prevent vehicular access to the soil cap and avoid associated damage. As a secondary benefit, the fence will also help to discourage unauthorized Site visitors from accessing the WMA. Removal or modification of the fence is prohibited. The perimeter fence remains intact and continues to function as intended. Inspection of the fence system is discussed in Section 5.1.2.

Per Table 6, page 31, of the February 2015 SMP the Years 1-5 of annual groundwater monitoring was achieved upon completion of the October 29, 2019 event.

The institutional controls included in the environmental easement, presented in Appendix F, have been followed and continue to be effective in minimizing potential exposure to remaining impacted material. The institutional controls are discussed in further detail in Section 4.2 and 4.3.

4.0 INSTITUTIONAL / ENGINEERING CONTROLS COMPLIANCE REPORT

4.1 Engineering Controls

4.1.1 Soil Cover System

Exposure to residual impacted soil is prevented by a soil cover system placed over the Site. This cover system is comprised of a minimum of two feet of cover including six inches of topsoil above the consolidated soils clean soil.

The composite cover systems have remained essentially unchanged and continue to prevent exposure to residual impacted soils. Inspection of the Site cover systems is discussed in Section 5.1.1.

4.1.2 Fence System

A six-foot high, chain-link fence was erected around the WMA primarily to help prevent vehicular access to the soil cap and avoid associated damage. As a secondary benefit, the fence also helps to discourage unauthorized Site visitors from accessing the WMA. The fence system has remained essentially

unchanged and continues to prevent vehicular access to the soil cap. Inspection and maintenance of the fence is discussed in Section 5.1.2.

4.1.3 Groundwater Monitoring

Groundwater monitoring sampling activities confirmed that groundwater does not show Site-related impacts. Groundwater monitoring was last conducted on October 29, 2019; As described in the SMP and ROD, Site groundwater monitoring was to be conducted over a period of five years (see Table 6, page 31 of the February 2015 SMP), which occurred on 9/16/2015, 9/20/2016, 9/25/2017, 10/3/2018 and concluded with the 10/29/2019 monitoring event.

4.2 Institutional Controls

ICs are required by the ROD to: (1) implement, maintain, and monitor ECs; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and (3) limit the use and development of the Site to commercial uses only. Adherence to the following ICs on the Site is required by the Environmental Easement (presented in Appendix F of this report and Appendix B of the SMP) and are being implemented under the SMP:

- Compliance with the Environmental Easement and the SMP by the Grantor and the Grantor's successors and assigns;
- ECs must be maintained as specified in the SMP;
- ECs on the controlled property must be inspected at a frequency and in a manner defined in the SMP;
- Groundwater monitoring must be performed as defined in the SMP Table 6, page 31; and
- Data and information pertinent to site management of the controlled property must be reported at the frequency and in a manner defined in the SMP.

ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement. The Site has a series of ICs in the form of Site restrictions. Adherence to these ICs is required by the Environmental Easement. Site restrictions that apply to the controlled property are as follows:

- The property may only be used for restricted commercial purposes provided that the long-term ECs and ICs included in the SMP are employed.
- The property may not be used for a higher level of use, such as unrestricted or restricted residential use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC.
- All future activities on the property that may disturb remaining contaminated material must be conducted in accordance with the SMP.

- The use of the groundwater underlying the Site as a source of potable or process water is restricted without necessary water quality treatment as determined by the NYSDOH or County Department of Health.
- Vegetable gardens and farming of crops for human or animal consumption on the property are prohibited.
- The Site owner or remedial party will submit to the NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the controlled property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. The NYSDEC retains the right to access such controlled property at anytime in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that the NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

4.3 IC/EC Certification

The Institutional Control/Engineering Control Certification signed by a New York State licensed Professional Engineer is included in Appendix A.

5.0 MONITORING PLAN COMPLIANCE REPORT

The SMP requires that performance monitoring be conducted for a period of five years following the issuance of the certificate of completion or until otherwise approved by NYSDEC and NYSDOH. The monitoring programs (Table 6, page 31 of the February 2015 SMP) are summarized below in Table 1.

Task	Frequency*	Matrix	Analysis
Site Wide Inspection	Quarterly – Year 1; Semi-annually – Years 2 through 5; and within 5 days after severe weather event**	N/A	N/A
Groundwater Monitoring	Annually – Years 1-5 (concluded October 29, 2019)	Groundwater	Arsenic, Cadmium, and Lead
Report	Annually	N/A	N/A

 Table 1: Schedule of Monitoring / Inspection and Reporting

* The frequency of events will be conducted as specified unless otherwise approved by the NYSDEC.

** A severe weather event includes rain in excess of 3" in a 24-hour period.

5.1 Site-Wide Inspection

The SMP requires Site-wide inspections be performed quarterly for one year, then semi-annually through year 5, which concluded in 2019. Site-wide inspections will also be performed after severe weather event that could have significantly affected ECs. The purpose of the Site wide inspection is to assess the following:

- Compliance with all institutional controls, including Site usage;
- Condition and continued effectiveness of the engineering controls;
- General Site conditions at the time of the inspection; and
- Completeness of Site records.

Following completion of the remedial work at the Site, quarterly Site-wide inspections were conducted during the 2015 calendar year with the semi-annual inspections being conducted in year 2 on May 27, 2016 and September 20, 2016, year 3 on May 11, 2017 and September 25, 2017, year 4 on May 2, 2018 and October 3, 2018 and year 5 on June 11, 2019 and October 29, 2019; Starting with year 6 one annual inspection was conducted, on October 26, 2020, to assist in the completion of the PRR certification form. The completed Site Inspection Report Form for the annual Site Wide inspection is included in Appendix B. No severe weather conditions which may have impacted the engineering controls occurred during the reporting period.

5.1.1 Soil Cover Inspection

The soil cover system is an engineering control that restricts exposures to residual impacted soil above the SCOs. The cover system is composed of clean soil fill.

During the first year, an inspection of the composite cover system was required, at a minimum, quarterly, as part of the Site-wide inspection. The 2016 semi-annual inspections were performed on May 27, 2016 and September 20, 2016. The 2017 semi-annual inspections were performed on May 11, 2017 and September 25, 2017. The 2018 semi-annual inspections were performed on May 2, 2018 and October 3, 2018. The 2019 semi-annual inspections were performed on June 11, 2019 and October 29, 2019. For 2020 an annual inspection was performed on October 26, 2020. No unscheduled inspections were necessary since completion of the remedial activities at the Site.

During the 2020 soil cover inspections the following issues were noted:

- One uprooted tree was observed in former drum disposal area. A few dead trees observed on edges of former drum disposal area They do not seem to be affecting Engineering Controls as no exposed areas have resulted.
- Grass continues to establish in the access road, due to lack of use, near the top elevation but does not appear to affect function or access.
- Vegetation has halted further erosion and is well established.
- WMA gate to chain link fence found open-was closed before departing.

- Erosion/exposed soil has halted on northern side slope of Sediment Trap 2 no further progression of erosion observed. Bare areas have decreased along area of previous erosion, but some minor areas still remain due to steepness of slope and rocky nature of soil.
- Cattail and duckweed were observed in sediment traps, this vegetation did not pose a problem at the current state. One downed dead tree was observed in sediment trap #1, however it is not obstructing the functionality of the sediments and shows no damage to the trap.
- Upper WMA no longer has a planted food plot, which may have been installed by the hunting club/property owners.
- Chain across site entrance was held together/up by a bungie cord, locks are still in place.
- Some standing water was observed in sediment trap 1 and sediment trap 2.

None of the issues noted during the inspections substantively impact the functionality of the engineering controls. The soil cover system continues to prevent exposure to residual impacted soils and the fence prevents vehicular traffic from entering the upper WMA.

5.1.2 Fence Inspection

The six-foot high, chain-link fence was erected around the WMA primarily to help prevent vehicular access to the soil cap and avoid associated damage.

During the sixth year (2020), an inspection of the fence was conducted as part of the Site-wide inspection. The 2020 inspection was performed on October 26, 2020. No unscheduled inspections were necessary since completion of the remedial activities at the Site.

During the October 26, 2020 inspection no issues requiring action with the fence were noted with the exception of the WMA gate to chain link fence found open (which was closed by the FE inspector prior to departing).

5.1.3 Site Access

During the sixth year (2020), an inspection of the fence & gate was conducted as part of the Site-wide inspection. The 2020 inspection was performed on October 26, 2020. No unscheduled inspections were necessary since completion of the remedial activities at the Site.

During the October 26, 2020 inspections no issues requiring action with Site access were noted with the exception that the entrance chain was being held closed with a bungie cord, which does not impede access to the site.

5.1.4 Groundwater Monitoring

The February 2015 SMP, Table 6, page 31, requires groundwater monitoring to be performed on an annual basis post remediation (September 2014) and then in years 1 through 5 (2015-2019) following completion of remediation to assess the performance of the implemented remedy.

Sampling was performed post remediation and years 1 through 5 for Site groundwater monitoring wells MW-1, MW-2, MW-3, and MW-4. Site groundwater monitoring well locations are shown on Figure 2. The closest downgradient residential well, 209 Townley Hill Road, Tax Map ID #26.00-1-46, was also monitored in conjunction with the Site monitoring wells.

Per the SMP, groundwater samples were collected by low-flow sampling techniques substantially consistent with the Groundwater Sampling Procedure, Low Flow Purge and Sampling (USEPA Standard Operating Procedure No. GW001, 2010). Groundwater monitoring field forms and sampling logs are included in the 2015 through 2019 annual reports in Appendix C of the individual annual reports previously issued under separate covers. Groundwater samples were collected from monitoring wells MW-1, MW-3, and MW-4; monitoring well MW-2 was dry at the time of sampling for all events. A sample was also collected from the closest down-gradient residential well. A duplicate was collected from one of the monitoring wells during each event and an equipment blank was prepared as a quality control sample. Field sample locations (MWs) are shown on Figure 2.

Samples were collected into pre-preserved laboratory-supplied containers, placed in a shipping container with ice under a Chain-of-Custody and sent to Eurofins TestAmerica Pittsburgh, laboratory, Pittsburgh, Pennsylvania (NYS NELAP # 11182) for analysis of total arsenic, cadmium, and lead using USEPA Method 6020A.

Groundwater Monitoring Results

Groundwater Monitoring was required years 1-5, which was accomplished and concluded with the October 2019 event. Historical groundwater levels, and the resulting elevations, that were measured in each monitoring well prior to purging and sampling during post-remediation and years 1-5 are provided on Table 2 in each previously issued annual report (2015–2019) for reference. The groundwater elevations indicate flow is generally to the southwest.

Groundwater sampling results are summarized in Table 3 of each previously issued annual report (2015–2019), which include comparisons of groundwater data to NYSDEC Part 703 Groundwater Quality Standards. Results for the residential supply well were compared to the Safe Drinking Water Act Maximum Contaminant Levels. The laboratory analytical reports are presented in Appendix D of the previously issued individual annual reports.

Data Usability

Data usability for the 2015 - 2019 monitoring events was evaluated by DATAVAL, Inc. of Fayetteville, New York, and the Data Usability Summary Report (DUSR) is included in Appendix E of each of the previously issued individual annual reports.

Conclusions - Groundwater Monitoring

Concentrations of site-related constituents in groundwater (*i.e.*, arsenic, cadmium and lead) were below Part 703 standards for the 2014 Post Remediation and years 1 through 5 events (2015–2019) with the exception of arsenic in one upgradient well (MW-4). The arsenic exceedance was consistent with a slight downward trend in the last two monitoring events in 2018 and 2019. The groundwater conditions at the

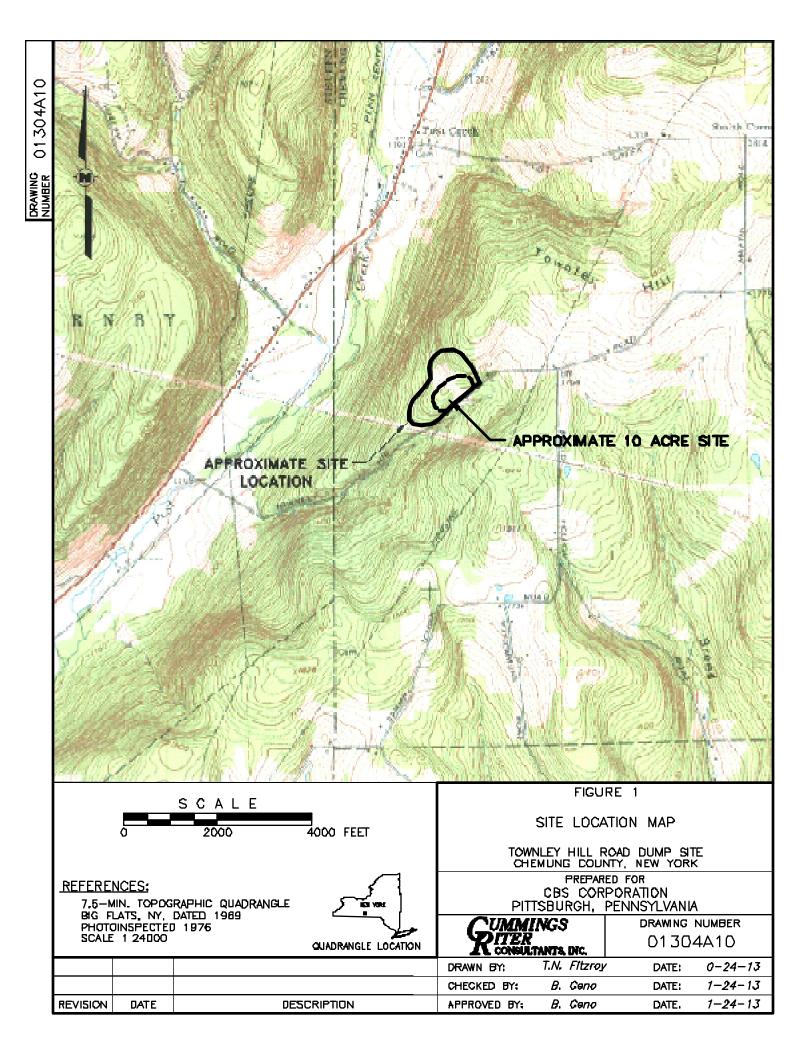
Townley Hill Road Site remain consistent with post-construction conditions and support the conclusion in the 2011 Remedial Investigation Report and December 2014 Revised Post-Construction Groundwater Monitoring Report, that past waste disposal activities at the Site have not adversely impacted downgradient groundwater.

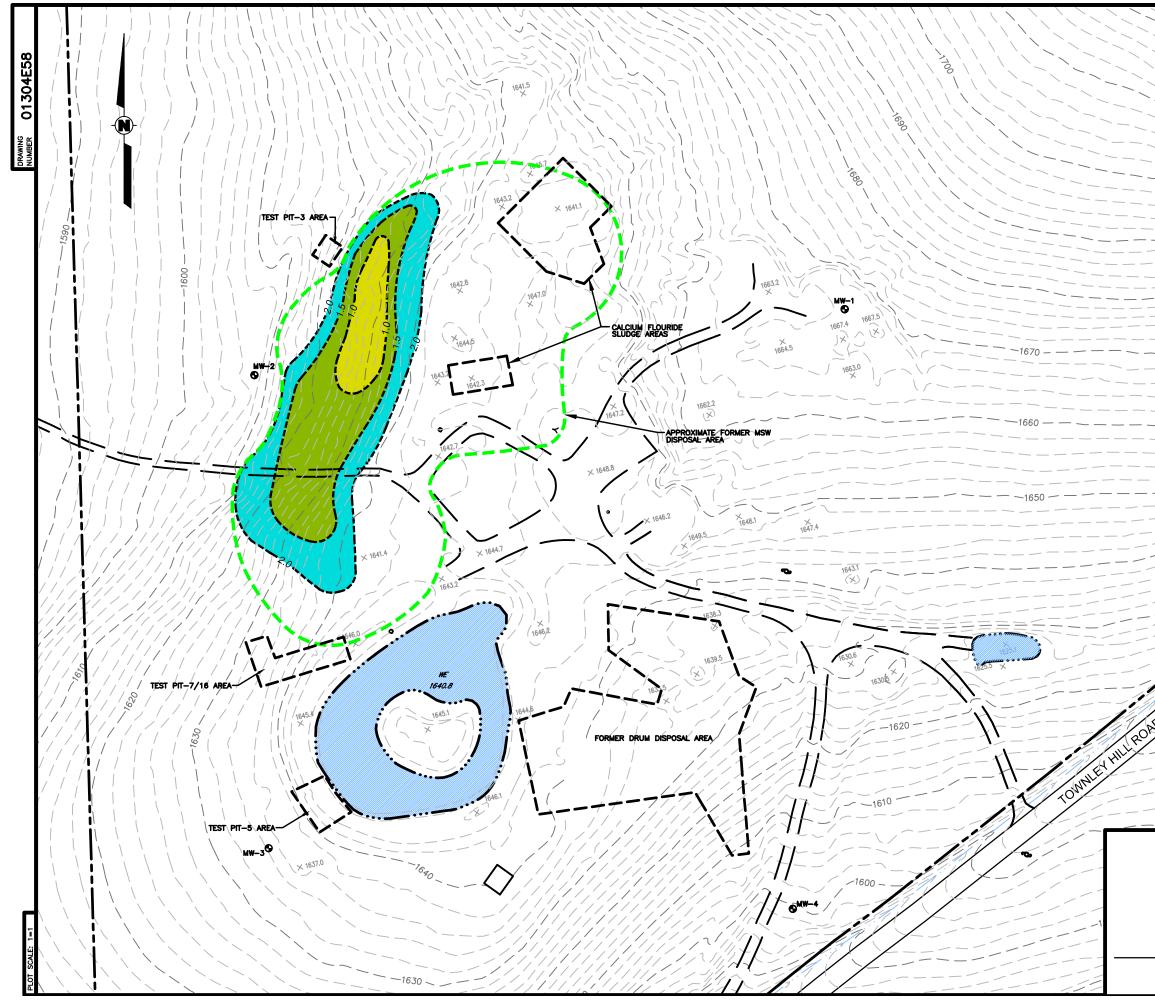
6.0 CONCLUSIONS AND RECOMMENDATIONS

Groundwater monitoring as required by the ROD and the February 2015 SMP, years 1-5, have been completed. The monitoring wells were observed to still be onsite, accessible and secure. Site-wide inspections have been performed quarterly in year 1 (2015) and semi-annually in years 2 through 5, completing the requirements as prescribed in the ROD and February 2015 SMP. The 2020 site wide inspection (necessary to complete the PRR Certification) has verified compliance with the Site's institutional controls and shown that the engineering controls continue to be effective. The soil cover system continues to prevent exposure to residual impacted soils.

FIGURES







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		POND			
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	A WOODAN 300 Pitt	DITER CONSULTANTS, INC. RD & CURRAN COMPANY Penn Center Blvd. Suite 800 sburgh. PA 15235	0 40 REVISIONS DESCRIPTION PRE-REMEDIATION SIT		DITIONS
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APPENDIX A

IC/EC Certification





Enclosure 2 NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION Site Management Periodic Review Report Notice Institutional and Engineering Controls Certification Form



Sit	e No. 808	006	Site Det	ails		Box 1	
Sit	e Name Townle	y Hill Road Du	mp Site				
City Co	e Address: Town //Town: Catlin unty:Chemung e Acreage: 11.29		Zip Code: 1490	02			
Re	porting Period: Ja	anuary 14, 2020	0 to January 14,	2021			
						YES	NO
1.	Is the informatio	n above correct	1?			X	
	If NO, include ha	andwritten abov	e or on a separa	ate sheet.			
2.	Has some or all tax map amendr				ed, or undergone a		X
3.	Has there been (see 6NYCRR 3		use at the site du	uring this Reportir	ng Period		X
4.	Have any federa for or at the prop		• •		narge) been issued		X
					ntation or evidence certification form.		
5.	Is the site currer	ntly undergoing	development?				X
						Box 2	
						YES	NO
6.	Is the current sit Commercial and		it with the use(s)	listed below?		X	
7.	Are all ICs in pla	ice and function	ing as designed	?	X		
	IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.						
AC	corrective Measu	res Work Plan r	nust be submitt	ed along with thi	s form to address th	nese iss	ues.
Sia	nature of Owner, F	Remedial Party o	or Designated Re	presentative	Date		

SITE NO. 808006		Box 3
Description of Ir	nstitutional Controls	
Parcel	Owner	Institutional Control
26.00-1-45.1	Northwoods Hunting Inc.	Ground Water Use Restriction Landuse Restriction Monitoring Plan Site Management Plan
		IC/EC Plan
and assigns; ECs mus inspected at a frequen as defined in the SMP; must be reported at the	t be maintained as specified in the SM cy and in a manner defined in the SMF	by the Grantor and the Grantor's successors P; ECs on the controlled property must be P; groundwater monitoring must be performed sitemanagement of the controlled property in the SMP.
		Box 4
Description of E	ingineering Controls	
Parcel	Engineering Contro	<u>1</u>
26.00-1-45.1		
	Cover System Fencing/Access Co Monitoring Wells	ntrol
in Section 3 of the SMI	ring the cap (soil cover) and permanen P. The Monitoring Plan also addresses ajor storm event, which may affect cor	inspections in the event of a severe

Corrective Measures Plan will be required should the need for repairs be identified during monitoring activities in Section 5.0 of the SMP.

	Box	5
	Periodic Review Report (PRR) Certification Statements	
1.	I certify by checking "YES" below that:	
	a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;	
	b) to the best of my knowledge and belief, the work and conclusions described in this certificat are in accordance with the requirements of the site remedial program, and generally accepted and in accordance in the information procented is accurate and competence.	on
	engineering practices; and the information presented is accurate and compete. YES NO	
	\mathbf{X}	
2.	For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:	
	 (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department; 	
	(b) nothing has occurred that would impair the ability of such Control, to protect public health a the environment;	nd
	(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;	
	(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and	
	(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.	
	YES NO	
	X	
	IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.	
	A Corrective Measures Work Plan must be submitted along with this form to address these issues.	
	Signature of Owner, Remedial Party or Designated Representative Date	

IC CERTIFICATIO SITE NO. 80800	
	Box 6
SITE OWNER OR DESIGNATED REPRE I certify that all information and statements in Boxes 1,2, ar statement made herein is punishable as a Class "A" misder Penal Law.	nd 3 are true. I understand that a false
	20 Stanwix Street, Pittsburgh, PA 15222 , pusiness address
am certifying asRepresentative to Remedial Party	(Owner or Remedial Party)
for the Site named in the Site Details Section of this form.	1-21-2021

.

EC CERTIFICATIONS	
Professional Engineer Signature	Box 7
I certify that all information in Boxes 4 and 5 are true. I understand that a false statement n punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.	nade herein is
Fagan Engineers & Land Surveyors, PC I <u>James B. Gensel, P.E.</u> at <u>113 E. Chemung Place, Elmira, NY 14904</u> print name print business address	
am certifying as a Professional Engineer for the <u>ViacomCBS, Inc. (Formerly CBS, Corp.)</u> (Owner or Remedial Party	/)
Signature of Professional Engineer, for the Owner or Stamp Date	
Repredial Party, Rendering Certification (Required for PE)	

APPENDIX B

Site Inspection Reports



Report of Site Inspection Townley Hill Dump Site

Catlin, Chemung County New York

Inspe	ctors Name	Robert Fenton					eather Light Rain ~ 55°F			
Date		October 26, 2020				C	onditions Ground Wet			
	Check "Yes" or "No" for each site condition, note any items that requiring attention. Provide details on attached									
sheet(s) and mark approximate location if applicable and provide photographs.										
SITE CONDITIONS										
1.	1. General									
a.	a. Evidence of incompatible site Yes No Notes: Lock cut and chain held together by bungie									
use or access?										
b.			Yes	\square	No		Notes: No trash or debris observed, well managed.			
2.	Site Drainage S	Structures		-	-					
a.	Blocked or obs	structed ditches or	Yes		No	\square	Notes:			
	culverts?									
b.	Excessive sco	ur or erosion in	Yes		No	\boxtimes	Notes:			
	riprap outlets?									
C.			Yes	\square	No		Notes: Vegetation observed in both sediment traps,			
	accumulating i						fallen tree in sediment trap 1 (not obstructing pipe).			
d.	Standing wate	r?	Yes	\square	No		Notes: Sediment trap 1 and Sediment trap 2.			
3.	Vegetation									
a.		or sparse	Yes		No	\square	Notes: Well vegetated across the site.			
	vegetation?									
b.		getation affecting	Yes		No	\square	Notes: All monitoring wells clear and free of			
	inspection or a						restrictive woody debris.			
	monitoring wel									
C.		eaten Engineering	Yes		No	\square	Notes: One uprooted tree observed in former drum			
	Controls?						disposal area. A few dead frees observed on edges			
							of former drum disposal area – They do not seem to			
							be affecting Engineering Controls as no exposed			
		I)					areas have resulted. Fallen tree on sediment trap 1.			
4.	Site Access (R		Maria		N					
a.		ecting Site access?	Yes		No		Notes: grass vegetation establishing in access road.			
b.		ng of aggregate?	Yes		No	\boxtimes	Notes:			
C.	Access road fu	inctional?	Yes	\square	No		Notes: grass continues to establish in the access			
							road near the top elevation but does not appear to			
							affect function or access.			
ENGINEERING CONTROLS										
5.	Soil Cover					N 7				
a.		rrowing animals?	Yes	<u> </u> <u> </u> _	No		Notes: None observed.			
b.	Excess soil (sh	leet or rill)	Yes		No	\boxtimes	Notes: Vegetation has halted further erosion.			
	erosion?	U	X							
C.	Differential set		Yes		No	\square	Notes:			
	rainwater pond	-	X							
d.	Indications of s	slope failure?	Yes		No	\boxtimes	Notes:			

Report of Site Inspection Townley Hill Dump Site Catlin, Chemung County New York

6.	Fencing					
a.	Breached or down fencing?	Yes		No	\boxtimes	Notes:
b.	Breached or broken gates?	Yes	\square	No		Notes: WMA gate to chain link fence found open.
C.	Gates, posts or footers out of plumb?	Yes		No		Notes:
d.	Missing "No Trespassing Signs"	Yes		No	\square	Notes:

Attachments					
Notes		3 🛛	No		Notes:
Maps		3 🛛	No		Notes:
Photographs			No		Notes:
Additional Notes or Comments:	progression of erosion, but s 2. Cattail and problem at th 3. Down/dea 4. Upper WM	of eros some s l duckv le curr ad tree IA no l oss site	ion ob still rer weed o ent sta s in fo onger e entra	serve nain obser ite. rmer appe ince	I on northern side slope of Sediment Trap 2 no further ed. Bare areas have decreased along area of previous due to steepness of slope and rocky nature of soil. rved in sediment traps, however this does not pose a drum disposal area were observed. ears to contain a planted food plot. was held together/up w/bungie cord, locks are still in rap 1.



1.) Access Road lock was removed, and chain was held together with bungie cord.



2.) Outfall of Sediment Trap 2. There have been no changes since last inspection.



3.) A view of the Outfall Structure of Sediment Trap 2. There have been no changes since the last inspection.



4.) Facing north toward the side slope Sediment Trap 2. Erosion appears to have ceased with increased vegetation, minor bare areas are due to slope and rocky nature of the soil.



5.) Facing northeast toward the side slopes of Sediment Trap 2. A view of the erosion that appears to have ceased with increased vegetation, minor bare areas are due to the slope and rocky nature of the soil.



7.) A view of the existing condition of the drainage ditch entering Sediment Trap 2.



6.) A closeup view of the outlet structure in Sediment Trap 2.



8.) A view of several dead trees identified in the "former drum disposal area" no change. They continue to appear that they are not affecting the engineering controls such as the protective soil cover.



9.) Facing easterly along access road, note the grass vegetation continues to establish growth in the center and along edges of road.



10.) Facing northwesterly along access road, note grass vegetation establishing itself in center and along edges of road. Function does not seem to be affected.



11.) A view of the access gates entering into Calcium Fluoride Sludge Areas (WMA Area) found open.



12.) A view of the upper WMA vegetated.



13.) A current view of the upper WMA. Stabilization was observed to be in good condition.



14.) A current view of the upper WMA. Stabilization was observed to be in good condition.



15.) A current view of Ditch 1.



16.) A current view of ditch 1.



17.) Another current view of ditch 1.



18.) View of sediment trap 1, side slope and upper WMA.



19.) View of sediment trap 1, note standing water in bottom. Small fallen tree observed in sediment trap 1.



20.) A current view of sediment trap 1 with rock outlet structure.



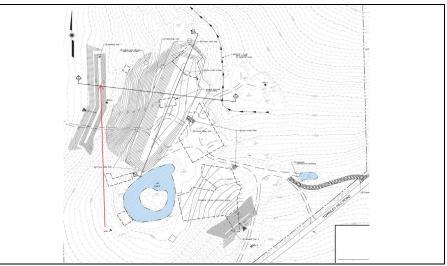
21.) A current view of MW-2 near sediment trap 1 free of major vegetation.



22.) A current view of outlet structure of sediment trap 1 note fallen tree.



23.) A closeup view of Outlet Structure of sediment trap 1.



24.) Site Plan Overview.

APPENDIX C

Deed Restriction Documents



Chemung County Clerk's Office 210 Lake St., P.O. Box 588 Elmira, NY 14902-0588 Catherine K. Hughes - County Clerk Jane Dietterich Deputy

Return To:

PHILLIPS LYTLE LLP ONE CANALSIDE 125 MAIN STREET BUFFALO, NY 14203-2887

Instrument Number - 201502	2529	* Total Pages - 10						
Recorded On 2/5/2015 At 2:4	4:14 PM							
* Instrument Type - EASEMENT								
Invoice Number - 259903	User ID - JAS	Deed Tax Number - 1101						

* Grantor - NORHTWOODS HUNTING INC

* Grantee - COMMISSIONER OF THE DEPT OF ENVIRONMENTAL CONSERVATION

* FEES		MORTGAGE 1	TAX	
DEED TAX	\$0.00			
RMO-STATE	\$4.75	MORTGAGE AMOUNT	\$	
RMO-COMP R	\$14.25			
RMO-COUNTY	\$1.00	BASIC MORTGAGE TAX	\$	
DEED RECORDING	\$65.00			
RECORDING SHEET	\$5.00	SPEC ADDITIONAL MTG TAX	X \$	
GAINS AFFIDAVIT	\$1.00			
TOTAL PAID	\$91.00	Total	\$	0.00

TRANSFER TAX

TRANSFER AMT \$ 0.00

TRANSFER TAX \$ 0.00

STATE OF NEW YORK CHEMUNG COUNTY CLERK

THIS SHEET CONSTITUTES THE CLERK ENDORSEMENT REQUIRED BY SECTION 316-A (5) FOR THE REAL PROPERTY LAW OF THE STATE OF NEW YORK. DO NOT DETACH

CATHERINE K. HUGHES - COUNTY CLERK

* - Information denoted by an asterisk may change during the verification process and may not be reflected on this page.



ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this 12th day of January, 2015, between Owner(s) Northwoods Hunting Inc., having an office at 3083 Thunder Bay Road, Ridgeway, Province of Ontario, Canada (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at 293 Townley Hill Road in the Town of Catlin, County of Chemung and State of New York, known and designated on the tax map of the County Clerk of Chemung as tax map parcel numbers: Section 26 Block 1 Lot 45.1, being the same as that property conveyed to Grantor by deed dated July 6, 1999 and recorded in the Chemung County Clerk's Office in Fiche 1059 of Deeds, page 57D. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 11.291 +/- acres, and is hereinafter more fully described in the Land Title Survey dated August 20, 2014 prepared by Timothy A. Olmstead, L.S. 050161, which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is

Environmental Easement Page 1

extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Order on Consent Index Number: Index #B8-0650-30-12, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement")

1. <u>Purposes</u>. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. <u>Institutional and Engineering Controls</u>. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv).

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Chemung County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

Environmental Easement Page 2

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential or Restricted Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i) and (ii), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section Division of Environmental Remediation NYSDEC 625 Broadway Albany, New York 12233 Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental

Conservation Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5 the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. <u>Right to Enter and Inspect</u>. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. <u>Reserved Grantor's Rights</u>. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. <u>Enforcement</u>

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. <u>Notice</u>. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to: S

Site Number: 8-08-006 Office of General Counsel NYSDEC 625 Broadway Albany New York 12233-5500

With a copy to:

Site Control Section Division of Environmental Remediation NYSDEC 625 Broadway Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and

Environmental Easement Page 5

communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

Northwoods Hunting Inc.:

By:

Print Name: <u>WALTER ALLER</u> Title: <u>Mehlent</u> Date: <u>An 17/14</u>

Grantor's Acknowledgment

STATE OF NEW YORK) SS: OUNTY OF ERIE)

On the <u>114</u> day of <u>NOT(MALL</u>, in the year 20 <u>14</u>, before me, the undersigned, personally appeared <u>NALTER ALEN</u>, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Notary Public - State of New York

ORIANA R. MONTANI Notary Public, State of New York No. 02MO6291187 Qualified in Niagara County Commission Expires October 15, 2017

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner,

By:

Robert/W. Schick, Director Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)) ss: COUNTY OF ALBANY)

On the 12^{++} day of 3^{+} day of 3^{+} in the year 20^{+} , before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

New York Notary Publi

David J. Chiusano Notary Public, State of New York No. 01CH5032146 Qualified in Schenectady County Commission Expires August 22, 20

SCHEDULE "A" PROPERTY DESCRIPTION

ALL THAT TRACT OR PARCEL OF LAND situate in the Town of Catlin, County of Chemung and State of New York, bounded and described as follows:

Beginning at a point on the center line of Townley Hill Road, said point being westerly, along said center line, a distance of 2,090 feet from the intersection with the center line of Breed Hollow Road;

Thence the following eight (8) courses and distances along the above mentioned center line of Townley Hill Road:

1) S 50° 19' 16" W, a distance of 57.55 feet to a point;

2) S 50° 20' 27" W, a distance of 57.57 feet to a point;

3) S 51° 05' 19" W, a distance of 56.23 feet to a point;

4) S 51° 54' 35" W, a distance of 55.51 feet to a point;

5) S 51° 55' 01" W, a distance of 52.78 feet to a point;

6) S 50° 46' 18" W, a distance of 54.33 feet to a point;

7) S 49° 50' 32" W, a distance of 51.90 feet to a point;

8) S 47° 57' 07" W, a distance of 48.58 feet to a point;

Thence the following nine (9) courses and distances through lands owned by Northwoods Hunting Inc. (L.1059, P.57D):

1) N 24° 16' 24" W, a distance of 220.77 feet to a point;

2) S 84° 44' 27" W, a distance of 303.92 feet to a point;

3) N 21° 08' 09" W, a distance of 325.53 feet to a point on the westerly boundary of tax parcel 26.00-1-45.1;

4) N 02° 05' 57" W, along said westerly tax parcel boundary, a distance of 279.72 feet to a point;

5) N 79° 39' 07" E, a distance of 284.52 feet to a point;

6) N 08° 40' 54" E, a distance of 153.48 feet to a point;

7) S 73° 33' 43" E, a distance of 112.38 feet to a point;

8) S 43° 29' 07" E, a distance of 633.93 feet to a point;

9) S 02° 47' 35" E, a distance of 191.91 feet to the first above described center line and the point of beginning; containing 11.291 acres, more or less;

LESS AND EXCEPT all that portion of the above described property lying and being within the bounds of Townley Hill Road.

APPENDIX D

NYSDEC Reclassification Letter



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Bureau of Technical Support 625 Broadway, 11th Floor, Albany, NY 12233-7020 P: (518) 402-9543 I F: (518) 402-9547 www.dec.ny.gov

April 14, 2015

Northwoods Hunting Inc. 3083 Thunder Bay Road Ridgeway, Ontario L0S1N0

Dear Sir/Madam:

As mandated by Section 27-1305 of the Environmental Conservation Law (ECL), the New York State Department of Environmental Conservation (DEC) must maintain a Registry of all inactive disposal sites suspected or known to contain hazardous waste. The ECL also mandates that DEC notify the owner of all or any part of each site or area included in the Registry of Inactive Hazardous Waste Disposal Sites as to changes in site classification.

Our records indicate that you are the owner or part owner of the site listed below. Therefore, this letter constitutes notification of change in the classification of such site in the Registry of Inactive Hazardous Waste Disposal Sites in New York State. The effective date of the classification change shall be 20 days from the date of this letter.

DEC Site No.: 808006 Site Name: Townley Hill Road Dump Site Site Address: Townley Hill Road, Town of Catlin, 14902 Classification change: Class 2 to Class 4

The reason for the change is as follows:

The remedial construction included the excavation of impacted soil from the former drum disposal and test pit areas and stabilization; in-situ treatment of waste materials in the former municipal waste disposal area identified as hazardous waste; consolidation of the treated and stabilized materials in the waste management area within the landfill footprint; grading and revegetation as needed to cover excavated areas; excavation of sediments from two on-site ponds to one-foot depth, and stabilization and consolidation with other treated materials; and repairs and improvements were made to the existing soil cover.

An environmental easement (EE) restricting the use and development of the property to commercial use has been recorded. The EE included that the owner shall comply with an approved site management plan, restrict the use of groundwater for potable or process water, maintain the soil cover, and certify annually to NYSDEC that the institutional and engineering controls are in place.



Enclosed is a copy of DEC's Inactive Hazardous Waste Disposal Site Report form as it will appear in the Registry. An explanation of the site classifications is available at <u>http://www.dec.ny.gov/chemical/8663.html</u>. The Law allows the owner and/or operator of a site listed in the Registry to petition the Commissioner of DEC for deletion of such site, modification of site classification, or modification of any information regarding such site, by submitting a written statement setting forth the grounds of the petition.

Such petition may be addressed to:

Honorable Joseph J. Martens Commissioner New York State Department of Environmental Conservation 625 Broadway Albany, New York 12233-1010

For additional information, please contact Vivek Nattanmai, the project manager at 518-402-9685.

Sincerely,

Kelly a Generali

Kelly A. Lewandowski, P.E. Chief, Site Control Section

KAL/BA/sls Enclosure

ec w/Enc:

R. Schick

L. Zeppetelli

A. English

K. Lewandowski

V. Nattanmai, Project Manager

Leo Brausch, Environmental Engineer, CBS Corporation (Ibrausch@consolidated.net)



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF ENVIRONMENTAL REMEDIATION Inactive Hazardous Waste Disposal Report



Site Type	Disposal Area Landfill					
Longitude	-76 degrees, 57 minutes, 24.30 seconds					
Latitude	42 degrees, 13 minutes, 13.15 seconds				ted Size	11.2910
Region	8	County	Chemung	Town	Catlin	
Classification	04	City	Catlin	Zip	14902	
Site Name	Townley Hill Road Dump Site	Address	Townley Hill Road			
Site Code	808006					

Site Description

Site Location: The site is located in a rural portion of Chemung County. The site is approximately 7 miles north of route 17. The site is located within the Susquehanna River basin. An unnamed tributary to Post Creek passes within 500 feet southeast of the site. Post Creek, a class C stream is located approximately 1700 feet north west of the site.

Site Features: The site occupies an 11.291 acre portion of a larger 28 acre property located on Townley Hill Road near the town of Catlin. The surrounding area is rural with small population centers along the Post Creek Valley to the northwest. The site is not fenced, although a suspended steel cable across the driveway restricts vehicle access. Two areas of concern identified at the site are the "former drum disposal area".

The site is located on a terrace, and the ground surface of the site is relatively flat with steeply sloping sides. The surrounding hillsides are wooded, and hardwoods have grown over the original fill area, except for a small area at the crest of the hill. A small pond is located on the western side of the former drum disposal area. A second, smaller pond located to the east of the former drum disposal area.

Current zoning: The site is currently zoned as agricultural/residential.

Past Use(s) of the Site: Mr. Joseph E. Lobell owned and operated the site as a landfill beginning in the late 1950s or early 1960s. Beginning in 1964, the site was owned by Mr. John A. Mandzak, who operated Superior Salvage Company (aka Superior Hauling and Superior Disposal). Throughout this period, the site was reportedly used for disposal of municipal solid waste under a permit issued by the Chemung County Department of Health. The site also reportedly received miscellaneous debris, including tires, junk automobiles, 55-gallon drums, and calcium fluoride sludge. Superior Salvage Company customers reportedly included local municipalities and the City of Corning School District. Based on available records, approximately 300 drums containing an incinerator ash-like waste material were disposed of at the site.

According to available historical records from Westinghouse Electric Corporation (Westinghouse), an unknown quantity of calcium fluoride sludge from the Westinghouse Industrial and Government Tube Division manufacturing facility located in Horseheads, New York plant was disposed of in bulk at the "Madzac property" (presumably the Site) between 1964 and 1967. This sludge reportedly consisted of "waste treatment plant sludge intermittently containing traces of lead phosphate and cadmium" from the Westinghouse Horseheads facility. The calcium fluoride sludge was reportedly buried in 8-foot deep trenches to the east of the Site access road.

On October 16, 1967, the site was closed by the Chemung County Health Department due to complaints of odors and open burning. Beginning in 1969, most of the junked automobiles and other debris were removed by the new owner, Mr. James C. Case. With the assistance of the local offices of the U.S. Department of Agriculture, Soil Conservation Service, Mr. Case enlarged the on-site pond and placed a soil cover over and revegetated most of the site.

Chemung County foreclosed on the property in 1998 and subsequently sold the site in 1999 to Northwoods Hunting Inc., of Ridgeway, Ontario.

In April 1980, the site was identified by NYSDEC as an inactive hazardous waste disposal site and placed on the Registry of Inactive Hazardous Waste Disposal Sites in New York. In 1983 and 1984, NYSDEC sampled the contents of the drums, and analyzed the drum samples. Results indicated an exceedance of the threshold EP toxicity concentrations for cadmium and lead. The site was subsequently classified as a "Class 2" in 1986.

In 1996, an Investigation Work Plan was finalized to investigate site soils, particularly residual cadmium concentrations in soils in the former drum disposal area. In 1997, NYSDEC conducted a focused Remedial Investigation (RI) and issued a report in 1998 that

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recommended a comprehensive RI/FS be conducted to investigate potential impacts to soil, sediment, and groundwater.

In 1989, 1995, and 1998, the NYSDOH sampled private wells servicing two homes within one quarter mile of the site and found no site-related contaminants.

A comprehensive RI was subsequently undertaken and, as part of the RI, private well samples were collected in 2011 from the two residential supply wells previously sampled to confirm findings. Site-related contaminants were not detected.

The RI was followed by a Feasibility Study (FS). The Proposed Remedial Action Plan was released for comment in early 2012 and a Record of Decision (ROD) was signed in March 2012. The remedial design was completed in May 2013 and the remedial construction was completed in June 2014.

The site will be reclassified to Class 4 which indiates that the site will be on a long-term maintenance plan.

Site Geology and Hydrogeology: Soil encountered at the site during drilling and subsurface investigations consisted of brown and gray, silty sand and silty clay, with varying amounts of rock fragments. Soil thickness varied from 14.0 feet at Monitoring Well MW-1 to 47.5 feet at Monitoring Well MW 4. Soil thicknesses in southern monitoring wells (MW-3 and MW-4) were greater than those in the northern monitoring wells (MW-1 and MW-2) and are believed to be the result of glacial processes. A glacial terrace likely exists in the southern portion of the Site as evidenced by both the thickness and type of soil (glacial till) observed during drilling activities.

Bedrock in the site region is of Upper Devonian age and consists of shale and siltstone from the Nunda and West Hill Formations of the West Falls Group. These beds reportedly dip gently to the south and show limited structural deformation. Bedrock was described in the boring logs as moderately hard to hard, gray and brown siltstone and shale. Varying amounts of clay-filled and iron-stained fractures were observed in bedrock, and fossiliferous shale beds were encountered.

Groundwater at the site flows to the west and southwest toward the Post Creek valley. Based on the site geologic and hydrogeologic data, groundwater flow is believed to be primarily influenced by surface topography and the connectivity of bedrock fractures.

Contaminants of Concern (In	Quantity	
OU 01 CADMIUM		
LEAD		
ARSENIC		
PCB-AROCLOR 1254		
Analytical Data Available for :	Groundwater, Surface Water, Soil, Sed	iment
Applicable Standards Exceeded for:	Groundwater, Soil, Sediment	

Site Environmental Assessment

Prior to Remediation:

There are three areas of concern at the site which includes the former drum disposal area, former municipal waste disposal area (landfill) and the pond area. An interim remedial measure (IRM) conducted by NYSDEC at the former drum disposal removed and disposed of approximately 300 drums containing an ash-type waste and approximately 336 cubic yards (CY) of soil impacted by cadmium.

The Remedial Investigation (RI) included the sampling of the waste in the landfill area. Consistent with the past use of the site as a landfill, municipal waste and other debris was identified throughout an approximate 1.8-acre area of the site. Observations made during test pitting show that this waste is generally about 9 to 12.5 feet thick in the center of the disposal area and gradually thins toward the edges of the indicated disposal area. None of the soil samples collected at these test pits exhibited cadmium concentrations above the commercial soil cleanup goal. Calcium fluoride sludge was only identified in one test pit (TP-19) located about 100 feet further to the north; there the sludge was found in a thin lens at 2.5 to 3.0 feet bgs. Although there were sporadic detection of varying concentrations of contaminant of concern, soils in the municipal waste disposal area generally did not exhibit high concentrations of cadmium.

Concentrations of arsenic, antimony, iron, and manganese have been detected above NYSDEC groundwater standard in at least one of the four groundwater monitoring wells present at the site. Site wells are completed to monitor groundwater in the shallow bedrock aquifer. The presence of these metals in groundwater can most likely be attributed to naturally occurring conditions associated with the aquifer properties (e.g., soil mineralogy/rock type, weathering, etc.) as each metal was detected above reporting limits in the upgradient monitoring well (MW-1). Cadmium was not detected above the groundwater standards in any of the wells. Arsenic (48 ppb) and antimony (3.2 ppb) were detected marginally above groundwater standards. The groundwater standard for arsenic is 25 ppb and antimony is 3 ppb.

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In 1989, 1995, and 1998 NYSDOH sampled nearby private wells and site-related contaminants were not detected. As part of the RI, private well samples were collected in 2011 to confirm historical sampling results and verify that site-related contamination was not present. The results did not detect any contaminant of concern from the site.

Sediment samples collected from two small ponds at the site detected arsenic concentrations ranging from 7.0 ppm (SD-4) to 15 ppm (SD-1) exceeding the sediment criterion (6 ppm) in each sediment sample collected. One sediment sample (SD-2) detected cadmium at 4.6 ppm which exceeded the sediment criterion for cadmium (0.6 ppm). Concentrations of one PCB Aroclor (PCB-1254) exceeded the applicable criterion (0.8 ppb) in each sediment sample. PCB-1254 concentrations ranged from 6.8 ppb (SD-4) to 6,700 ppb (SD-2).

Post Remediation:

The remedial construction at the site is complete as of June 2014.

The remedial construction included excavation of impacted soil from the former drum disposal and test pit areas and stabilizing, in-situ treatment of waste materials in the former municipal waste disposal area identified as hazardous waste, consolidate the treated and stabilized materials in the waste management area within the landfill footprint, grade and re-vegetate as needed to cover excavated areas, excavate sediments to one-foot depth and stabilize and consolidate with other treated materials and made repairs to and improvements of the existing soil cover.

An environmental easement (EE) to restrict the use and development of the property to commercial use has been recorded. The Final Engineering Report and Site Management Plan were approved in December 2014.

The site will be reclssified to Class 4 which indiates that the site will be on a long-term maintenance plan.

Site Health Assessment

Remedial activities undertaken at the site have effectively reduced the potential for exposure to site-related contaminants and measures are in place to ensure that these measures remain protective in the future.

Owners			Operators			
Current Owner(s)			Previous Operator((s)		
Northwoods Hunting Inc. 3083 Thunder Bay Road Ridgeway, Province of Ontario	ZZ	LOSINO	James Case Box 1076 Corning	NY	14830	
Previous Owner(s)			JOSEPH LOBDELL AND JOHN MANDZAK			
James Case Box 1076 Corning	NY	14830	CORNING	NY	14830	

Disposal Owner(s)

JOSEPH LOBDELL AND JOHN MANDZAK